



MAJOR SOURCE OPERATING PERMIT

Permittee: **Cargill, Inc.**
Facility Name: **Cargill Oilseeds**
Facility No.: 711-0003
Location: Guntersville, Alabama

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code §§22-22A-1 to 22-22A-15 (2006 Rplc. Vol. and 2007 Cum. Supp.), and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit*

Issuance Date:

Expiration Date: March 13, 2015

Alabama Department of Environmental Management

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General Permit Provisos

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<p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in Rule 335-3-16-.13(1)(a)5.</p> <p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p> <p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivision, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p> <p>4. <u>Compliance</u></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p>	<p>Rule 335-3-16-.02(6)</p> <p>Rule 335-3-16-.12(2)</p> <p>Rule 335-3-16-.05(e)</p> <p>Rule 335-3-16-.05(f)</p>

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<p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p>	Rule 335-3-16-.05(g)
<p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	Rule 335-3-16-.05(h)
<p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	Rule 335-3-16-.05(i)
<p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.</p>	Rule 335-3-16-.05(j)
<p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p>	Rule 335-3-16-.05(k)
<p>9. <u>Certification of Truth, Accuracy, and Completeness:</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p>	Rule 335-3-16-.07(a)

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<p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <ul style="list-style-type: none"> (a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit; (b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; (c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit; (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements. 	<p>Rule 335-3-16-.07(b)</p>
<p>11. <u>Compliance Provisions</u></p> <ul style="list-style-type: none"> (a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. (b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit. 	<p>Rule 335-3-16-.07(c)</p>
<p>12. <u>Compliance Certification</u></p> <p>A compliance certification covering the reporting period between March 14th of the previous calendar year and March 13th of the following calendar year shall be submitted to the Department no later than May 12th of each calendar year.</p> <ul style="list-style-type: none"> (a) The compliance certification shall include the following: <ul style="list-style-type: none"> (1) The identification of each term or condition of this permit that is the basis of the certification; (2) The compliance status; 	<p>Rule 335-3-16-.07(e)</p>

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<p>(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);</p> <p>(4) Whether compliance has been continuous or intermittent;</p> <p>(5) Such other facts as the Department may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to:</p> <p style="padding-left: 40px;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p> <p style="padding-left: 80px;">and to:</p> <p style="padding-left: 40px;">Air and EPCRA Enforcement Branch EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303</p>	
<p>13. <u>Reopening for Cause</u></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <p>(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.</p> <p>(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</p>	<p>Rule 335-3-16-.13(5)</p>

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<p>(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</p> <p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	
<p>14. <u>Additional Rules and Regulations</u></p> <p>This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In the case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Director at least twenty-four (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <ol style="list-style-type: none"> (1) Identification of the specific facility to be taken out of service as well as its location and permit number; (2) The expected length of time that the air pollution control equipment will be out of service; (3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period; (4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; (5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period. 	<p>Rule 335-3-1-.07(1), (2)</p>

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<p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p>	
<p>16. <u>Operation of Capture and Control Devices</u></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p>17. <u>Obnoxious Odors</u></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p>	<p>Rule 335-3-1-.08</p>
<p>18. <u>Fugitive Dust</u></p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:</p> <p>(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;</p>	<p>Rule 335-3-4-.02</p>

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<ul style="list-style-type: none"> (2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created; (3) By paving; (4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions; <p>Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Department prior to utilization.</p>	
<p>19. <u>Additions and Revisions</u></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p>	<p>Rule 335-3-16-.13 and .14</p>
<p>20. <u>Recordkeeping Requirements</u></p> <ul style="list-style-type: none"> (a) Records of required monitoring information of the source shall include the following: <ul style="list-style-type: none"> (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; (5) The results of all analyses; and (6) The operating conditions that existed at the time of sampling or measurement. 	<p>Rule 335-3-16-.05(c)2.</p>

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<p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.</p> <p>21. <u>Reporting Requirements</u></p> <p>(a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working day of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p> <p>22. <u>Emission Testing Requirements</u></p> <p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p>	<p>Rule 335-3-16-.05(c)3.</p> <p>Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1)</p>

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<p>(1) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.</p> <p>(2) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning).</p> <p>(3) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity.</p> <p>(4) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</p> <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>	<p>Rule 335-3-1-.04</p> <p>Rule 335-3-1-.04</p>
<p>23. <u>Payment of Emission Fees</u></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code R. 335-1-7-.04.</p>	<p>Rule 335-1-7-.04</p>
<p>24. <u>Other Reporting and Testing Requirements</u></p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p>	<p>Rule 335-3-1-.04(1)</p>

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<p>25. <u>Title VI Requirements (Refrigerants)</u></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.</p> <p>26. <u>Chemical Accidental Prevention Provisions</u></p> <p>If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <p>(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.</p> <p>(b) The owner or operator shall submit one of the following:</p> <p>(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or,</p> <p>(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.</p> <p>27. <u>Display of Permit</u></p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will be made readily available for inspection by any or all persons who may request to see it.</p>	<p>40 CFR 82</p> <p>40 CFR Part 68</p> <p>Rule 335-3-14-.01(1)(d)</p>

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<p>28. <u>Circumvention</u></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p> <p>29. <u>Visible Emissions</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p> <p>30. <u>Fuel-Burning Equipment</u></p> <p>(a) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.03.</p> <p>(b) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Part 335-3-5-.01.</p> <p>31. <u>Process Industries – General</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.04.</p> <p>32. <u>Averaging Time for Emission Limits</u></p> <p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.</p>	<p>Rule 335-3-1-.10</p> <p>Rule 335-3-4-.01(1)</p> <p>Rule 335-3-4-.03</p> <p>Rule 335-3-5-.01</p> <p>Rule 335-3-4-.04</p> <p>Rule 335-3-1-.05</p>

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<p>33. Compliance Assurance Monitoring (CAM)</p> <p>Conditions (a) through (d) that follow are general conditions applicable to emissions units that are subject to the CAM requirements. Specific requirements related to each emissions unit are contained in the unit specific provisos and the attached CAM appendices.</p> <p>(a) Operation of Approved Monitoring</p> <p>(1) <i>Commencement of operation.</i> The owner or operator shall conduct the monitoring required under this section and detailed in the unit specific provisos and CAM appendix of this permit (if required) upon issuance of the permit, or by such later date specified in the permit pursuant to §64.6(d).</p> <p>(2) <i>Proper maintenance.</i> At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.</p> <p>(3) <i>Continued operation.</i> Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.</p>	<p>40 CFR 64</p> <p>40 CFR 64.7</p>

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<p>(4) <i>Response to excursions or exceedances.</i> (a) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable. (b) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.</p> <p>(5) <i>Documentation of need for improved monitoring.</i> After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the Department and, if necessary, submit a proposed modification to the permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.</p>	

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<p data-bbox="235 357 998 388">(b) Quality Improvement Plan (QIP) Requirements</p> <p data-bbox="186 420 1112 871">(1) Based on the results of a determination made under Section 33(a)(4)(b) above, the Administrator or the permitting authority may require the owner or operator to develop and implement a QIP. Consistent with 40 CFR §64.6(c)(3), the permit may specify an appropriate threshold, such as an accumulation of exceedances or excursions exceeding 5 percent duration of a pollutant-specific emissions unit's operating time for a reporting period, for requiring the implementation of a QIP. The threshold may be set at a higher or lower percent or may rely on other criteria for purposes of indicating whether a pollutant-specific emissions unit is being maintained and operated in a manner consistent with good air pollution control practices.</p> <p data-bbox="186 903 503 934">(2) Elements of a QIP:</p> <ul style="list-style-type: none"> <li data-bbox="332 966 1112 1071">a. The owner or operator shall maintain a written QIP, if required, and have it available for inspection. <li data-bbox="332 1102 1112 1312">b. The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate: <ul style="list-style-type: none"> <li data-bbox="381 1344 1063 1375">i. Improved preventive maintenance practices. <li data-bbox="381 1407 820 1438">ii. Process operation changes. <li data-bbox="381 1470 1096 1501">iii. Appropriate improvements to control methods. <li data-bbox="381 1533 1112 1606">iv. Other steps appropriate to correct control performance. <li data-bbox="381 1638 1112 1743">v. More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (2)(b)(i) through (iv) above). 	<p data-bbox="1136 357 1315 388">40 CFR 64.8</p>

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Federally Enforceable Provisos	Regulations
<p>(3) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.</p> <p>(4) Following implementation of a QIP, upon any subsequent determination pursuant to Section 33(a)(4)(b) above, the Department may require that an owner or operator make reasonable changes to the QIP if the QIP is found to have:</p> <ul style="list-style-type: none"> a. Failed to address the cause of the control device performance problems; or b. Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. <p>(5) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.</p>	
<p>(c) Reporting and Recordkeeping Requirements</p> <p>(1) <i>General reporting requirements</i></p> <ul style="list-style-type: none"> a. On and after the date specified in Section 33(a)(1) above by which the owner or operator must use monitoring that meets the requirements of this part, the owner or operator shall submit monitoring reports to the permitting authority in accordance with ADEM Admin. Code R. 335-3-16-.05(c)3. b. A report for monitoring under this part shall include, at a minimum, the information required under ADEM Admin. Code R. 335-3-16-.05(c)3. and the following information, as applicable: 	<p>40 CFR 64.9</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> i. Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken; ii. Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and iii. A description of the actions taken to implement a QIP during the reporting period as specified in Section 33(b) above. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring. <p>(2) General recordkeeping requirements.</p> <ul style="list-style-type: none"> a. The owner or operator shall comply with the recordkeeping requirements specified in ADEM Admin. Code R. 335-3-16-.05(c)2.. The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to Section 33(b) above and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). b. Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements. 	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p data-bbox="240 363 570 394">(d) Savings Provisions</p> <p data-bbox="289 428 703 459">(1) Nothing in this part shall:</p> <ul style="list-style-type: none"> <li data-bbox="289 493 1110 1079">a. Excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act. The requirements of this part shall not be used to justify the approval of monitoring less stringent than the monitoring which is required under separate legal authority and are not intended to establish minimum requirements for the purpose of determining the monitoring to be imposed under separate authority under the Act, including monitoring in permits issued pursuant to title I of the Act. The purpose of this part is to require, as part of the issuance of a permit under title V of the Act, improved or new monitoring at those emissions units where monitoring requirements do not exist or are inadequate to meet the requirements of this part. <li data-bbox="289 1100 1110 1331">b. Restrict or abrogate the authority of the Department to impose additional or more stringent monitoring, recordkeeping, testing, or reporting requirements on any owner or operator of a source under any provision of the Act, including but not limited to sections 114(a)(1) and 504(b), or state law, as applicable. <li data-bbox="289 1373 1110 1499">c. Restrict or abrogate the authority of the Department to take any enforcement action under the Act for any violation of an applicable requirement or of any person to take action under section 304 of the Act. 	<p data-bbox="1138 363 1333 394">40 CFR 64.10</p>

Summary Page for Barge and Rail Loadout for Hulls and Meal:

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
N003	Barge Loadout for Hulls	PM	N/A (Fugitive Emissions)	N/A
N004	Barge Loading for Meal	PM	N/A (Fugitive Emissions)	N/A
N006	Rail Loading for Hulls	PM	N/A (Fugitive Emissions)	N/A
N007	Rail Loading for Meal	PM	N/A (Fugitive Emissions)	N/A
N008	Rail Unloading	PM	N/A (Fugitive Emissions)	N/A

Provisos for Barge and Rail Loadout for Hulls and Meal:

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	ADEM Admin. Code R. 335-3-16-.03
2. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-4-.02, "Fugitive Dust and Fugitive Emissions".	ADEM Admin. Code R. 335-3-4-.02
<u>Emission Standards</u>	
1. There are no specific applicable emission standards for these units.	N/A
<u>Compliance and Performance Test Methods and Procedures</u>	
1. There are no specific applicable compliance and performance test methods and procedures for these units.	N/A
<u>Emission Monitoring</u>	
1. There are no applicable emission monitoring requirements for these units.	N/A
<u>Recordkeeping and Reporting Requirements</u>	
1. There are no applicable recordkeeping and reporting requirements for these units.	N/A

Summary Page for 720 TPH Old House Aspiration with Cyclone and Baghouse:

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Z002	720 TPH Old House Aspiration with Cyclone and Baghouse	PM	Lesser of: E=17.31P ^{0.16} or 21.7 lb/hr (95.0 TPY)	ADEM Admin. Code R. 335-3-4-.04(1) or 40 CFR 64.3(b)(4)(ii)
Z002	720 TPH Old House Aspiration with Cyclone and Baghouse	Opacity	20% (6-minute average)	ADEM Admin Code R. 335-3-4- .01(1)(a)&(b)

Provisos for 720 TPH Old House Aspiration with Cyclone and Baghouse:

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	ADEM Admin. Code R. 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-4-.01(1), "Visible Emissions".	ADEM Admin. Code R. 335-3-4-.01(1)
3. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-4-.04, "Control of Particulate Emissions in Process Industries – General".	ADEM Admin. Code R. 335-3-4-.04(2)
4. This source is subject to the applicable requirements of 40 CFR 64, "Compliance Assurance Monitoring".	40 CFR 64.2
5. This source has enforceable limits in place to ensure that the potential to emit, including the effect of control devices, is less than 100 TPY.	40 CFR 64.3(b)(4)(ii)
<u>Emission Standards</u>	
1. Visible emissions from these units shall not exceed the opacity limitations as specified in General Proviso No. 29.	ADEM Admin. Code R. 335-3-4-.01(1)
2. Particulate matter emissions from this unit shall not exceed the lesser of that which is calculated using the process weight equation, as defined in ADEM Admin. Code R. 335-3-4-.04(1), or the requested PM limit of 21.7 lb/hr (95.0 TPY).	40 CFR 64.3(b)(4)(ii)
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate emissions from this process shall be measured in accordance with 40 CFR 60, Appendix A, Method 5.	ADEM Admin. Code R. 335-3-1-.05
2. If testing is required, visible emissions from this process shall be measured in accordance with 40 CFR 60, Appendix A, Method 9.	ADEM Admin. Code R. 335-3-1-.05
<u>Emission Monitoring</u>	
1. Emission monitoring requirements under 40 CFR 64, "Compliance Assurance Monitoring" can be found in the Appendix on Page 49.	40 CFR 64

Federally Enforceable Provisos	Regulations
<p><u>Recordkeeping and Reporting Requirements</u></p> <ol style="list-style-type: none"> 1. Records of the date, time, and observed opacity of the weekly visible emissions observations, inspections, corrective actions taken, and maintenance performed on this source shall be recorded in a logbook. These records shall be retained for a minimum of five (5) years and made available upon request. 2. The date, time, and daily baghouse pressure drop observations for this source shall be recorded in a logbook. These records shall be retained for a minimum of five (5) years and made available upon request. 3. A semi-annual report shall be submitted to the Air Division within 60 days of the end of the six (6) month reporting period. The report shall contain the following: <ol style="list-style-type: none"> (a) All visible emissions excursions to include the time, date, cause of the visible emissions excursion, and the corrective action taken. (b) All pressure drop excursions to include the time, date, cause of the pressure drop excursion, and the corrective action taken. (c) A statement certifying that the inspections were accomplished as required. 	<p>ADEM Admin. Code R. 335-3-16-.05(c)(2)</p> <p>40 CFR 64</p> <p>ADEM Admin. Code R. 335-3-16-.05(c)(2)</p> <p>40 CFR 64</p> <p>ADEM Admin. Code R. 335-3-16-.05(c)(3)</p> <p>40 CFR 64</p>

Summary Page for New House Receiving, Storage, and Cleaning:

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Z003	600 TPH New House Aspiration with Baghouse	PM	Lesser of: E=17.31P ^{0.16} or 21.7 lb/hr (95.0 TPY)	ADEM Admin. Code R. 335-3-4-.04(1) or 40 CFR 64.3(b)(4)(ii)
Z003	600 TPH New House Aspiration with Baghouse	Opacity	20% (6-minute average)	ADEM Admin Code R. 335-3-4- .01(1)(a)&(b)
Z010	119 TPH Flaking Roll Aspiration with Kice Cyclone	PM	E=17.31P ^{0.16}	ADEM Admin. Code R. 335-3-4-.04(1)
Z010	119 TPH Flaking Roll Aspiration with Kice Cyclone	Opacity	20% (6-minute average)	ADEM Admin Code R. 335-3-4- .01(1)(a)&(b)
Z013	119 TPH Soybean Meal Ginding and Aspiration System with with Kice Dynajet Baghouse	PM	Lesser of: E=17.31P ^{0.16} or 21.7 lb/hr (95.0 TPY)	ADEM Admin. Code R. 335-3-4-.04(1) or 40 CFR 64.3(b)(4)(ii)
Z013	119 TPH Soybean Meal Ginding and Aspiration System with with Kice Dynajet Baghouse	Opacity	20% (6-minute average)	ADEM Admin Code R. 335-3-4- .01(1)(a)&(b)
Z022	300 TPH Truck Dump with Baghouse	PM	Lesser of: E=17.31P ^{0.16} or 21.7 lb/hr (95.0 TPY)	ADEM Admin. Code R. 335-3-4-.04(1) or 40 CFR 64.3(b)(4)(ii)
Z022	300 TPH Truck Dump with Baghouse	Opacity	20% (6-minute average)	ADEM Admin Code R. 335-3-4- .01(1)(a)&(b)

Z006	150 TPH Aeroglide Dryer with Screenhouse	PM	$E=17.31P^{0.16}$	ADEM Admin. Code R. 335-3-4-.04(1)
Z006	150 TPH Aeroglide Dryer with Screenhouse	Opacity	20% (6-minute average)	ADEM Admin Code R. 335-3-4-.01(1)(a)&(b)
Z006	150 TPH Aeroglide Dryer with Screenhouse	SO ₂	Permitted to burn only Natural Gas or Propane	ADEM Admin. Code R. 335-3-14-.04

Provisos for New House Receiving, Storage, and Cleaning:

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	ADEM Admin. Code R. 335-3-16-.03
2. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-4-.01(1), "Visible Emissions".	ADEM Admin. Code R. 335-3-4-.01(1)
3. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-4-.04, "Control of Particulate Emissions in Process Industries – General".	ADEM Admin. Code R. 335-3-4-.04(1)
4. Emission points Z003, Z013, and Z022, are subject to the applicable requirements of 40 CFR 64, "Compliance Assurance Monitoring".	40 CFR 64.2
5. Emission points Z003, Z013, and Z022 have enforceable limits in place to ensure that the potential to emit, including the effect of control devices, is less than 100 TPY.	40 CFR 64.3(b)(4)(ii)
<u>Emission Standards</u>	
1. The Aeroglide Dryer (Z006) is limited to the use of natural gas or LPG gas only. Any plans to change the type of fuel burned in this unit must receive prior approval from the Department.	ADEM Admin. Code R. 335-3-14-.04
2. Visible emissions from these units shall not exceed the opacity limitations as specified in General Proviso No. 29.	ADEM Admin. Code R. 335-3-4-.01(1)
3. Particulate matter emissions from Z006 and Z010 shall not exceed the limitations as specified in Proviso No. 31.	ADEM Admin. Code R. 335-3-4-.04(1)
4. Particulate matter emissions from emission points Z003, Z013, and Z022 shall not exceed the lesser of that which is calculated using the process weight equation, as defined in ADEM Admin. Code R. 335-3-4-.04(1), or the requested PM limit of 21.7 lb/hr (95.0 TPY) each.	40 CFR 64.3(b)(4)(ii)
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate emissions from this process shall be measured in accordance with 40 CFR 60, Appendix A, Method 5.	ADEM Admin. Code R. 335-3-1-.05

Federally Enforceable Provisos	Regulations
<p>2. Method 6 of 40 CFR 60 Appendix A shall be used in the determination of sulfur dioxide emissions.</p> <p>3. If testing is required, visible emissions from this process shall be measured in accordance with 40 CFR 60, Appendix A, Method 9.</p>	<p>ADEM Admin. Code R. 335-3-1-.05</p> <p>ADEM Admin. Code R. 335-3-1-.05</p>
<u>Emission Monitoring</u>	
<p>1. Emission monitoring requirements for emission points Z003, Z013, and Z022, under 40 CFR 64, "Compliance Assurance Monitoring" can be found in the Appendix on Page 49.</p>	<p>40 CFR 64</p>
<p>2. The emissions from the cyclone at emission point Z010 shall be visually observed a minimum of once per week to determine if visible emissions are present. If visible emissions are observed, a visible emissions observation shall be conducted within thirty (30) minutes of the observation in accordance with 40 CFR 60, Appendix A, Method 9.</p>	<p>ADEM Admin. Code R. 335-3-16-.05</p>
<p>3. The emissions from the dryer and screenhouse at emission point Z006 shall be visually observed a minimum of once per week whenever the dryer is in operation to determine if visible emissions are present. If visible emissions are observed, a visible emissions observation shall be conducted within thirty (30) minutes of the observation in accordance with 40 CFR 60, Appendix A, Method 9.</p>	<p>ADEM Admin. Code R. 335-3-16-.05</p>
<p>4. The facility shall inspect and clean the cyclone (Z010) and dryer and screenhouse (Z006) no less frequently than annually and whenever visible emissions are observed.</p>	<p>ADEM Admin. Code R. 335-3-16-.05</p>
<p>5. Corrective action must be taken within four (4) hours whenever visible emissions are observed. Maintenance shall be performed as needed.</p>	<p>ADEM Admin. Code R. 335-3-16-.05</p>
<u>Recordkeeping and Reporting Requirements</u>	
<p>1. Records of the date, time, and observed opacity of the visible emissions observations, inspections, corrective actions taken, and maintenance performed on this source shall be recorded in a logbook. These records shall be retained for a minimum of five (5) years and made available upon request.</p>	<p>ADEM Admin. Code R. 335-3-16-.05(c)(2)</p> <p>40 CFR 64</p>
<p>2. The date, time, and daily baghouse pressure drop observations for this source shall be recorded in a logbook. These records shall be retained for a minimum of five (5) years and made available upon request.</p>	<p>ADEM Admin. Code R. 335-3-16-.05(c)(2)</p> <p>40 CFR 64</p>

Federally Enforceable Provisos	Regulations
<p>3. A semi-annual report shall be submitted to the Air Division within 60 days of the end of the six (6) month reporting period. The report shall contain the following:</p> <ul style="list-style-type: none"> (a) All visible emissions excursions to include the time, date, cause of the visible emissions excursion, and the corrective action taken. (b) All pressure drop excursions to include the time, date, cause of the pressure drop excursion, and the corrective action taken. (c) A statement certifying that the inspections were accomplished as required. 	<p>ADEM Admin. Code R. 335-3-16-.05(c)(3)</p> <p>40 CFR 64</p>

Summary Page for Soybean Preparation:

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
X036	7.5 TPH Secondary Dehulling and Hull Grinding with Four Cyclones Vented to a Baghouse	PM	4 lb/hr (17.5 TPY @ 8760 hr/yr)	ADEM Admin. Code R. 335-3-14-.04
X036	7.5 TPH Secondary Dehulling and Hull Grinding with Four Cyclones Vented to a Baghouse	Opacity	20% (6-minute average)	ADEM Admin Code R. 335-3-4-.01(1)(a)&(b)
X039	300 TPH Meal or Hulls Truck Loadout with Baghouse	PM	2.74 lb/hr (12 TPY @ 8760 hr/yr)	ADEM Admin. Code R. 335-3-14-.04
X039	300 TPH Meal or Hulls Truck Loadout with Baghouse	Opacity	20% (6-minute average)	ADEM Admin Code R. 335-3-4-.01(1)(a)&(b)
X032	150 TPH DTD with 2 HE Cyclones, Cooler with 2 HE Cyclones	PM	4.79 lb/hr (21 TPY @ 8760 hr/yr)	ADEM Admin. Code R. 335-3-14-.04
X032	150 TPH DTD with 2 HE Cyclones, Cooler with 2 HE Cyclones	Opacity	20% (6-minute average)	ADEM Admin Code R. 335-3-4-.01(1)(a)&(b)
X024	2,000 TPD Escher-Wyss Fluidized Bed Dehulling with Five Ducon HE Cyclones	PM	3.45 lb/hr (15.11 TPY @ 8760 hr/yr)	ADEM Admin. Code R. 335-3-14-.04
X024	2,000 TPD Escher-Wyss Fluidized Bed Dehulling with Five Ducon HE Cyclones	Opacity	20% (6-minute average)	ADEM Admin Code R. 335-3-4-.01(1)(a)&(b)
X040	300 TPH Meal Tank with Baghouse	PM	0.45 lb/hr (2 TPY @ 8760 hr/yr)	ADEM Admin. Code R. 335-3-14-.04
X040	300 TPH Meal Tank with Baghouse	Opacity	20% (6-minute average)	ADEM Admin Code R. 335-3-4-.01(1)(a)&(b)
X038	7.5 TPH Millfeed Conveyor with Two Baghouses	PM	1.48 lb/hr (6.5 TPY @ 8760 hr/yr)	ADEM Admin. Code R. 335-3-14-.04
X038	7.5 TPH Millfeed Conveyor with Two Baghouses	Opacity	20% (6-minute average)	ADEM Admin Code R. 335-3-4-.01(1)(a)&(b)

Provisos for Soybean Preparation:

Federally Enforceable Provisos	Regulations														
<u>Applicability</u>															
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	ADEM Admin. Code R. 335-3-16-.03														
2. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-4-.01(1), "Visible Emissions".	ADEM Admin. Code R. 335-3-4-.01(1)														
3. These sources have enforceable limits in place in order to prevent them from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	ADEM Admin. Code R. 335-3-14-.04														
4. Emission points X036, X038, X039, and X040 of this source are subject to the applicable requirements of 40 CFR 64, "Compliance Assurance Monitoring".	40 CFR 64.2														
<u>Emission Standards</u>															
1. Visible emissions from these units shall not exceed the opacity limitations as specified in General Proviso No. 29.	ADEM Admin. Code R. 335-3-4-.01(1)														
2. Allowable PM emissions for each emission point are as follows:	ADEM Admin. Code R. 335-3-14-.04														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Emission Point</th><th style="text-align: left;">Allowable Emissions</th></tr> </thead> <tbody> <tr> <td>X036</td><td>4.0 lb/hr (17.5 TPY)</td></tr> <tr> <td>X039</td><td>2.74 lb/hr (12.0 TPY)</td></tr> <tr> <td>X032</td><td>4.79 lb/hr (21 TPY)</td></tr> <tr> <td>X024</td><td>3.45 lb/hr (15.1 TPY)</td></tr> <tr> <td>X040</td><td>0.45 lb/hr (2.0 TPY)</td></tr> <tr> <td>X038</td><td>1.48 lb/hr (6.5 TPY)</td></tr> </tbody> </table>		Emission Point	Allowable Emissions	X036	4.0 lb/hr (17.5 TPY)	X039	2.74 lb/hr (12.0 TPY)	X032	4.79 lb/hr (21 TPY)	X024	3.45 lb/hr (15.1 TPY)	X040	0.45 lb/hr (2.0 TPY)	X038	1.48 lb/hr (6.5 TPY)
Emission Point	Allowable Emissions														
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X038	1.48 lb/hr (6.5 TPY)														
<u>Compliance and Performance Test Methods and Procedures</u>															
1. If testing is required, particulate emissions from this process shall be measured in accordance with 40 CFR 60, Appendix A, Method 5.	ADEM Admin. Code R. 335-3-1-.05														
2. If testing is required, visible emissions from this process shall be measured in accordance with 40 CFR 60, Appendix A, Method 9.	ADEM Admin. Code R. 335-3-1-.05														

Federally Enforceable Provisos	Regulations
<u>Emission Monitoring</u>	
1. Emission monitoring requirements for emission points X036, X038, X039, and X040, under 40 CFR 64, "Compliance Assurance Monitoring" can be found in the Appendix on Page 49.	40 CFR 64
2. The emissions from the cyclones at emission points X024 and X032 shall be visually observed a minimum of once per week to determine if visible emissions are present. If visible emissions are observed, a visible emissions observation shall be conducted within thirty (30) minutes of the observation in accordance with 40 CFR 60, Appendix A, Method 9.	ADEM Admin. Code R. 335-3-16-.05
3. The facility shall inspect and clean the cyclones (X024 and X032) no less frequently than annually and whenever visible emissions are observed.	ADEM Admin. Code R. 335-3-16-.05
4. Corrective action must be taken within four (4) hours whenever visible emissions are observed. Maintenance shall be performed as needed.	ADEM Admin. Code R. 335-3-16-.05
<u>Recordkeeping and Reporting Requirements</u>	
1. Records of the date, time, and observed opacity of the baghouse and cyclone visible emissions observations, inspections, corrective actions taken, and maintenance of these sources shall be recorded in a logbook. These records shall be retained for a minimum of five (5) years and made available upon request.	ADEM Admin. Code R. 335-3-16-.05(c)(2) 40 CFR 64
2. The date, time, and daily baghouse pressure drop observations, for these sources shall be recorded in a logbook. These records shall be retained for a minimum of five (5) years and made available upon request.	ADEM Admin. Code R. 335-3-16-.05(c)(2) 40 CFR 64
3. A semi-annual report shall be submitted to the Air Division within 60 days of the end of the six (6) month reporting period. This report shall contain the following: (a) All visible emissions excursions to include the date, time, cause of the visible emissions excursion, and the corrective action taken. (b) All pressure drop excursions to include time, date, observed pressure drop, cause of the pressure drop excursions, and the corrective action taken. (c) A statement certifying that the inspections were accomplished as required.	ADEM Admin. Code R. 335-3-16-.05(c)(2) 40 CFR 64

Summary Page for Soybean Cleaning and Conveying System:

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
X033	300 TPH Soybean Cleaning and Conveying with Kice Cyclone Vented to a Kice Dynajet Baghouse	PM	0.01 gr/dscf	40 CFR 60.302(b)(1)
X033	300 TPH Soybean Cleaning and Conveying with Kice Cyclone Vented to a Kice Dynajet Baghouse	Opacity	Zero Percent (0%) FEs and VEs as determined by a 6 minute average	40 CFR 60.302(b)(1)
Z029a&b	300 TPH Pneumatic Barge Unloading System with Two Baghouses	PM	0.01 gr/dscf	ADEM Admin. Code R-335-3-10-.02(30)
Z029a&b	300 TPH Pneumatic Barge Unloading System with Two Baghouses	Opacity	Zero Percent (0%) FEs and VEs as determined by a 6 minute average	ADEM Admin. Code R-335-3-10-.02(30)
X025	150 TPH Elevator East Dust System with Kice Dynajet Baghouse	PM	0.01 gr/dscf	ADEM Admin. Code R-335-3-10-.02(30)
X025	150 TPH Elevator East Dust System with Kice Dynajet Baghouse	Opacity	Zero Percent (0%) FEs and VEs as determined by a 6 minute average	ADEM Admin. Code R-335-3-10-.02(30)

Provisos for Soybean Cleaning and Conveying System:

Federally Enforceable Provisos	Regulations
<p><u>Applicability</u></p> <ol style="list-style-type: none"> 1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16.03, "Major Source Operating Permits". 2. Emission points X033, Z029a and Z029b, and X025 of this source are subject to the applicable requirements of 40 CFR 64, "Compliance Assurance Monitoring". 3. This unit is subject to the applicable requirements of 40 CFR 60 Subpart DD, "Standards of Performance for Grain Elevators". 	<p>ADEM Admin. Code R. 335-3-16-.03</p> <p>40 CFR 64.2</p> <p>ADEM Admin. Code R. 335-3-10-.02(30)</p> <p>40 CFR 60.300(a)</p>
<p><u>Emission Standards</u></p> <ol style="list-style-type: none"> 1. These processes are subject to the the New Source Performance Standard, Subpart DD for Grain Elevators, which limits PM emissions to 0.01 gr/dscf. 2. Opacity from these units shall not exceed zero (0%) percent opacity. 	<p>ADEM Admin. Code R. 335-3-10-.02(30)</p> <p>40 CFR 60.302(b)(1)</p> <p>ADEM Admin. Code R. 335-3-10-.02(30)</p> <p>40 CFR 60.302(b)(2)</p>
<p><u>Compliance and Performance Test Methods and Procedures</u></p> <ol style="list-style-type: none"> 1. If testing is required, particulate emissions from this process shall be measured in accordance with 40 CFR 60, Appendix A, Method 5. 2. If testing is required, visible emissions from this process shall be measured in accordance with 40 CFR 60, Appendix A, Method 9. 	<p>ADEM Admin. Code R. 335-3-1-.05</p> <p>ADEM Admin. Code R. 335-3-1-.05</p>
<p><u>Emission Monitoring</u></p> <ol style="list-style-type: none"> 1. Emission monitoring requirements for emission points X033, Z029a and Z029b, and X025, under 40 CFR 64, "Compliance Assurance Monitoring" can be found in the Appendix on Page 49. 	<p>40 CFR 64</p>

Federally Enforceable Provisos	Regulations
<p><u>Recordkeeping and Reporting Requirements</u></p> <ol style="list-style-type: none"> 1. Records of the date, time, and observed opacity of the baghouse emissions observations, inspections, corrective actions taken, and maintenance of these sources shall be recorded in a logbook. These records shall be retained for a minimum of five (5) years and made available upon request 2. The date, time, and daily baghouse pressure drop observations, for these sources shall be recorded in a logbook. These records shall be retained for a minimum of five (5) years and made available upon request. 3. A semi-annual report shall be submitted to the Air Division within 60 days of the end of the six (6) month reporting period. This report shall contain the following: <ol style="list-style-type: none"> (a) All visible emissions excursions to include the date, time, cause of the visible emissions excursion, and the corrective action taken. (b) All pressure drop excursions to include time, date, observed pressure drop, cause of the pressure drop excursions, and the corrective action taken. (c) A statement certifying that the inspections were accomplished as required. 	<p>ADEM Admin. Code R. 335-3-16-.05(c)(2)</p> <p>40 CFR 64</p> <p>ADEM Admin. Code R. 335-3-16-.05(c)(2)</p> <p>40 CFR 64</p> <p>ADEM Admin. Code R. 335-3-16-.05(c)(3)</p> <p>40 CFR 64</p>

Summary Page for Boilers

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
X037	51 MMBtu/hr Natural Gas, No. 2 Fuel Oil, Soybean Oil, and Tallow fired Murray Boiler	PM	26.8 TPY (total of X027 and X037)	ADEM Admin. Code R. 335-3-14-.04
		PM	Specific PM limits for each fuel type as listed in Emission Standards Proviso No. 8	ADEM Admin. Code R. 335-3-14-.04
X037	51 MMBtu/hr Natural Gas, No. 2 Fuel Oil, Soybean Oil, and Tallow fired Murray Boiler	PM ₁₀	16.8 TPY (total of X027 and X037)	ADEM Admin. Code R. 335-3-14-.04
		PM ₁₀	Specific PM ₁₀ limits for each fuel type as listed in Emission Standards Proviso No. 8	ADEM Admin. Code R. 335-3-14-.04
X037	51 MMBtu/hr Natural Gas, No. 2 Fuel Oil, Soybean Oil, and Tallow fired Murray Boiler	NO _x	57.0 TPY (total of X027 and X037)	ADEM Admin. Code R. 335-3-14-.04
		NO _x	Specific NO _x limits for each fuel type as listed in Emission Standards Proviso No. 8	ADEM Admin. Code R. 335-3-14-.04
X037	51 MMBtu/hr Natural Gas, No. 2 Fuel Oil, Soybean Oil, and Tallow fired Murray Boiler	SO ₂	0.5% sulfur content and 39.6 TPY (total of X027 and X037)	40 CFR 60.42c(d) and ADEM Admin. Code R. 335-3-14-.04
		SO ₂	Specific SO ₂ limits for each fuel type as listed in Emission Standards Proviso No. 8	ADEM Admin. Code R. 335-3-14-.04
X037	51 MMBtu/hr Natural Gas, No. 2 Fuel Oil, Soybean Oil, and Tallow fired Murray Boiler	CO	109 TPY (total of X027 and X037)	ADEM Admin. Code R. 335-3-14-.04
X037	51 MMBtu/hr Natural Gas, No. 2 Fuel Oil, Soybean Oil, and Tallow fired Murray Boiler	VOC	45.6 TPY (total of X027 and X037)	ADEM Admin. Code R. 335-3-14-.04

X037	51 MMBtu/hr Natural Gas, No. 2 Fuel Oil, Soybean Oil, and Tallow fired Murray Boiler	Opacity	Twenty percent (20%) as determined by a 6 minute average	ADEM Admin. Code R. 335-3-10-.02(2)(c)
X027	64 MMBtu/hr Natural Gas, No. 2 Fuel Oil, Soybean Oil, and Tallow fired Cleaver Brooks Boiler	PM	26.8 TPY (total of X027 and X037)	ADEM Admin. Code R. 335-3-14-.04
		PM	Specific PM limits for each fuel type as listed in Emission Standards Proviso No. 8	ADEM Admin. Code R. 335-3-14-.04
X027	64 MMBtu/hr Natural Gas, No. 2 Fuel Oil, Soybean Oil, and Tallow fired Cleaver Brooks Boiler	PM ₁₀	16.8 TPY (total of X027 and X037)	ADEM Admin. Code R. 335-3-14-.04
		PM ₁₀	Specific PM ₁₀ limits for each fuel type as listed in Emission Standards Proviso No. 8	ADEM Admin. Code R. 335-3-14-.04
X027	64 MMBtu/hr Natural Gas, No. 2 Fuel Oil, Soybean Oil, and Tallow fired Cleaver Brooks Boiler	NO _x	57.0 TPY (total of X027 and X037)	ADEM Admin. Code R. 335-3-14-.04
		NO _x	Specific NO _x limits for each fuel type as listed in Emission Standards Proviso No. 8	ADEM Admin. Code R. 335-3-14-.04
X027	64 MMBtu/hr Natural Gas, No. 2 Fuel Oil, Soybean Oil, and Tallow fired Cleaver Brooks Boiler	SO ₂	0.5% sulfur content and 39.6 TPY (total of X027 and X037)	40 CFR 60.42c(d) and ADEM Admin. Code R. 335-3-14-.04
		SO ₂	Specific SO ₂ limits for each fuel type as listed in Emission Standards Proviso No. 8	ADEM Admin. Code R. 335-3-14-.04
X027	64 MMBtu/hr Natural Gas, No. 2 Fuel Oil, Soybean Oil, and Tallow fired Cleaver Brooks Boiler	CO	109 TPY (total of X027 and X037)	ADEM Admin. Code R. 335-3-14-.04
X027	64 MMBtu/hr Natural Gas, No. 2 Fuel Oil, Soybean Oil, and Tallow fired Cleaver Brooks Boiler	VOC	45.6 TPY (total of X027 and X037)	ADEM Admin. Code R. 335-3-14-.04
X027	64 MMBtu/hr Natural Gas, No. 2 Fuel Oil, Soybean Oil, and Tallow fired Cleaver Brooks Boiler	Opacity	Twenty percent (20%) as determined by a 6 minute average	ADEM Admin. Code R. 335-3-10-.02(2)(c)

X043	72 MMBtu/hr Wood-Fired Hurst Boiler controlled by Staged Combustion	PM	lb/hr (0.025lb/MMbtu)	ADEM Admin. Code R. 335-3-14-.04
X043	72 MMBtu/hr Wood-Fired Hurst Boiler controlled by Staged Combustion	NOx	15.84 lb/hr (0.22 lb of NO _x /MMBtu)	ADEM Admin. Code R. 335-3-14-.04
X043	72 MMBtu/hr Wood-Fired Hurst Boiler controlled by Staged Combustion	SO2	288 lb/hr	ADEM Admin. Code R. 335-3-5-.01
X043	72 MMBtu/hr Wood-Fired Hurst Boiler controlled by Staged Combustion	CO	N/A	N/A
X043	72 MMBtu/hr Wood-Fired Hurst Boiler controlled by Staged Combustion	VOC	N/A	N/A
X043	72 MMBtu/hr Wood-Fired Hurst Boiler controlled by Staged Combustion	Opacity	Twenty percent (20%) as determined by a 6 minute average	ADEM Admin. Code R. 335-3-10-.02(2)(c)

Provisos for Boilers

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These boilers are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, " <i>Major Source Operating Permits</i> ".	ADEM Admin. Code R. 335-3-16-.03
2. These sources are to the applicable requirements of ADEM Admin. Code R. 335-3-4-.03(1), " <i>Control of Particulate Emissions for Fuel Burning Equipment</i> ".	ADEM Admin. Code R. 335-3-4-.03(1)
3. These sources are to the applicable requirements of ADEM Admin. Code R. 335-3-5-.01(1), " <i>Control of Sulfur Compound Emissions</i> ".	ADEM Admin. Code R. 335-3-5-.01(1)
4. X027 and X037 boilers have enforceable limits in place in order to prevent them from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04, " <i>Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]</i> ".	ADEM Admin. Code R. 335-3-14-.04
5. X043 has enforceable limits in place in order to comply with the applicable provisions of ADEM Admin. Code R. 335-3-14-.04. " <i>Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]</i> ".	ADEM Admin. Code R. 335-3-14-.04
6. These sources are subject to the applicable requirements of 40 CFR 60 Subpart D _c , " <i>Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units</i> ".	ADEM Admin. Code R. 335-3-10-.02 40 CFR 60 Subpart D _c §60.40c(a)
<u>Emission Standards</u>	
1. On and after the date on which the initial performance test is completed or is required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that commences construction, reconstruction, or modification after February 28, 2005, and that combusts coal, oil, wood, a mixture of these fuels, or a mixture of these fuels with any other fuels and has a heat input capacity of 8.7 MW (30 MMBtu/hr) or greater shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of 13 ng/J (0.030 lb/MMBtu) heat input, except as provided in 40 CFR 60.43c (e)(2), (e)(3), and (e)(4).	ADEM Admin. Code R. 335-3-10-.02 40 CFR 60 Subpart D _c §60.43c(e)

Federally Enforceable Provisos	Regulations
2. Particulate matter (PM) emissions from the wood-fired boiler shall not exceed 0.025 lb of filterable PM/MMBtu.	ADEM Admin. Code R. 335-3-14-.04
	Anti-PSD
3. Nitrogen oxide (NO _x) emissions from the X043 shall not exceed 0.22 lb of NO _x /MMBtu.	ADEM Admin. Code R. 335-3-14-.04
	BACT
4. The boilers shall not emit in excess of 4.0 pounds SO ₂ per million BTU heat input.	ADEM Admin. Code R. 335-3-5-.01(1)
5. The sulfur content of fuel oil burned in X027 and X037 shall not exceed 0.5% by weight as determined by procedures found in ASTM D 129-64 or an equivalent method as approved by the Department.	ADEM Admin. Code R. 335-3-10-.02(2)(c) 40 CFR 60.42c(d)
6. The boilers shall not discharge into the atmosphere an opacity greater than twenty percent (20%), as determined by a six (6) minute average, except that during one six (6) minute period during any sixty (60) minute period, the boilers may discharge an opacity not exceeding twenty seven (27%) percent.	ADEM Admin. Code R. 335-3-10-.02(2)(c) 40 CFR 60.43c(c)
7. X027 and X037 are limited to the use of natural gas, No. 2 fuel oil, soybean oil, and tallow as fuel to fire the boilers. Any plans to change the type of fuel must receive prior approval from the Air Division.	ADEM Admin. Code R. 335-3-14-.04
8. Particulate matter (PM) emissions from boilers X027 and X037 combined shall not exceed 26.8 tons in any consecutive twelve (12) month period.	ADEM Admin. Code R. 335-3-14-.04
9. PM ₁₀ emissions from boilers X027 and X037 combined shall not exceed 16.8 tons in any consecutive twelve (12) month period.	ADEM Admin. Code R. 335-3-14-.04
10. Nitrogen oxide (NO _x) emissions from boilers X027 and X037 combined shall not exceed 57.0 tons in any consecutive twelve (12) month period.	ADEM Admin. Code R. 335-3-14-.04
11. Sulfur dioxide (SO ₂) emissions from boilers X027 and X037 combined shall not exceed 39.6 tons in any consecutive twelve (12) month period.	ADEM Admin. Code R. 335-3-14-.04

Federally Enforceable Provisos**Regulations**

12. Emissions of each pollutant shall not exceed the following for each type of fuel used in X027 and X037:

Pollutant	Soybean Oil (lb/10³ gal)	No. 2 Fuel Oil (lb/10³ gal)	Tallow (lb/10³ gal)	Natural Gas (lb/10⁶ scf)
PM	3.80	2.00	6.90	8.00
PM ₁₀	3.80	3.30	6.90	7.60
NO _x	25.0	20.0	20.0	100.0
SO ₂	21.3	71.0	1.90	0.60

ADEM Admin. Code R. 335-3-14-.04

Compliance and Performance Test Methods and Procedures

1. If testing is required, particulate matter (PM) emissions shall be determined in accordance with Method 5 of 40 CFR 60, Appendix A.
2. If testing is required, sulfur dioxide (SO₂) emissions shall be determined in accordance with Method 6 of 40 CFR 60, Appendix A.
3. If testing is required, nitrogen oxides (NO_x) emissions shall be determined in accordance with Method 7 of 40 CFR 60, Appendix A.
4. If testing is required, volatile organic compound (VOC) emissions shall be determined in accordance with either Method 18 or Method 25A of 40 CFR 60, Appendix A.
5. If testing is required, carbon monoxide (CO) emissions shall be determined in accordance with Method 10 of 40 CFR 60, Appendix A.
6. Visible emissions observations (VEO) shall be conducted in accordance with Method 9 40 CFR 60, Appendix A.
7. The sulfur content of the No. 2 fuel oil shall be determined by procedures found in ASTM D 129-00 or an equivalent method as approved by the Department.
8. The sulfur content of soybean oil and tallow shall be determined by procedures approved by the Department.
9. Compliance with the emissions limits shall be calculated using the following equations:

ADEM Admin. Code R. 335-3-1-.05

ADEM Admin. Code R. 335-3-1-.05

ADEM Admin. Code R. 335-3-1-.05

ADEM Admin. Code R. 335-3-1-.05

ADEM Admin. Code R. 335-3-1-.05

ADEM Admin. Code R. 335-3-1-.05

ADEM Admin. Code R. 335-3-1-.05

ADEM Admin. Code R. 335-3-1-.05

ADEM Admin. Code R. 335-3-1-.05

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$E_{Px} = E_{NG} + E_{FO} + E_{SBO} + E_{TA}$ <p>Where:</p> <p>E_{Px} = Total monthly emissions for each criteria pollutant “x”</p> <p>E_{NG} = Emissions from the combustion of natural gas</p> <p>E_{FO} = Emissions from the combustion of No. 2 fuel oil</p> <p>E_{SBO} = Emissions from the combustion of soy bean oil</p> <p>E_{TA} = Emissions from the combustion of tallow</p> <p style="text-align: center;">AND</p> $E_{Tx} = E_{P1} + E_{P2} + E_{P3} + \dots + E_{P12}$ <p>Where:</p> <p>E_{Tx} = Total twelve month rolling total of each criteria pollutant “x”</p>	
<p>9. The fuel specific emissions factors listed in Proviso No. 8 of Emission Standards shall be used when calculating emissions from each boiler.</p>	<p>ADEM Admin. Code R. 335-3-1-.05</p>
<p>10. The owner or operator of an affected facility subject to the PM and/or opacity standards under §60.43c shall conduct an initial performance test as required under §60.8, and shall conduct subsequent performance tests as requested by the Administrator, to determine compliance with the standards using the following procedures and reference methods, except as specified in 40 CFR 60.45c (c).</p>	<p>ADEM Admin. Code R. 335-3-10-.02(2)(c)</p> <p>40 CFR 60.45c(a)</p>
<p><u>Emission Monitoring</u></p>	
<p>1. An instantaneous observation of visible emissions from each stack associated with these units shall be accomplished weekly while each unit is operating on fuel oil, soybean oil, tallow, or any combination of these fuels.</p>	<p>ADEM Admin. Code R. 335-3-16-.05(c)(3)</p>
<p>2. If visible emissions are observed, a visible emissions observation (VEO) shall be conducted within 30 minutes of the observation in accordance with 40 CFR 60, Appendix A, Method</p>	<p>ADEM Admin. Code R. 335-3-16-.05(c)(3)</p>

Federally Enforceable Provisos	Regulations
<p>9.</p> <p>3. Corrective action must be taken within four (4) hours whenever visible emissions are observed. Maintenance shall be performed as needed.</p> <p>4. A sample of soybean oil and tallow shall be collected and analyzed for sulfur content at least once during each semi-annual reporting period.</p> <p>5. If the facility chooses to demonstrate compliance with the fuel oil sulfur content limit based on fuel oil sampling, one sample of fuel oil shall be collected from each fuel oil shipment. Each sample shall be analyzed in accordance with ASTM D 129-00 or an equivalent method as approved by the Department.</p> <p>6. The PM and opacity standards apply at all times, except during periods of startup, shutdown, or malfunction.</p> <p>7. Except as provided in 40 CFR 60.47c (c), (d), (e), and (f) of this section, the owner or operator of an affected facility combusting coal, oil, or wood that is subject to the opacity standards under §60.43c shall install, calibrate, maintain, and operate a COMS for measuring the opacity of the emissions discharged to the atmosphere and record the output of the system.</p> <p>8. All COMS for measuring opacity shall be operated in accordance with the applicable procedures under Performance Specification 1 of appendix B of this part. The span value of the opacity COMS shall be between 60 and 80 percent.</p>	<p>ADEM Admin. Code R. 335-3-16-.05(c)(3)</p> <p>ADEM Admin. Code R. 335-3-16-.05(c)(3)</p> <p>ADEM Admin. Code R. 335-3-16-.05(c)(3)</p> <p>ADEM Admin. Code R. 335-3-10-.02(2)(c) 40 CFR 60.43c(d)</p> <p>ADEM Admin. Code R. 335-3-10-.02(2)(c) 40 CFR 60.47c(a)</p> <p>ADEM Admin. Code R. 335-3-10-.02(2)(c) 40 CFR 60.47c(b)</p>
<p><u>Recordkeeping and Reporting Requirements</u></p> <p>1. Records shall be maintained indicating the daily, monthly, and rolling twelve (12) month totals of each fuel burned in X027 and X037.</p> <p>2. The owner or operator shall record and maintain records of the amount of wood combusted during each calendar month.</p>	<p>ADEM Admin. Code R. Rule 335-3-16-.05(c)(2) 40 CFR 60.48c(g)</p> <p>ADEM Admin. Code R. Rule 335-3-16-.05(c)(2) 40 CFR 60.48c(g)</p>

Federally Enforceable Provisos	Regulations
3. Records of the sulfur content of the No. 2 fuel oil, soybean oil, and tallow burned in these units must be kept in a permanent form suitable for inspection. These records shall be maintained for at least five (5) years from the date of generation and shall be made available upon request.	ADEM Admin. Code R. Rule 335-3-16-.05(c)(2) 40 CFR 60.48c(f)
4. If utilized, fuel oil supplier certificates shall contain the name of the oil supplier and a statement from the oil supplier that the oil complies with the sulfur content limit, and shall be kept in a permanent form suitable for inspection for a period of five (5) years from the date of generation and shall be made available upon request.	ADEM Admin. Code R. Rule 335-3-16-.05(c)(2) 40 CFR 60.48c(f)
5. Laboratory analyses shall be kept in a permanent form suitable for inspection for a period of five (5) years from the date of generation and shall be made available upon request.	ADEM Admin. Code R. Rule 335-3-16-.05(c)(2)
6. Records documenting the monthly and twelve (12) month rolling total of emissions of each pollutant shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for a period no less than five (5) years from the date of generation.	ADEM Admin. Code R. Rule 335-3-16-.05(c)(2)
7. Monthly and updated twelve month (12) total emissions inventories for each boiler shall be compiled no later than the tenth (10 th) day of the month following each monthly reporting period.	ADEM Admin. Code R. Rule 335-3-16-.05(c)(2)
8. Should the rolling twelve (12) month emissions total for any pollutant exceed the allowable emissions limit, the Department shall be notified within forty-eight (48) hours of determining the exceedance.	ADEM Admin. Code R. Rule 335-3-16-.05(c)(2)
9. Quarterly reports shall be submitted to the Air Division within 30 days of the end of each calendar quarter. This report shall contain the following: (a) Type and quantity of each fuel combusted in each boiler during the reporting period (b) A copy of the fuel oil supplier certificate or laboratory certificate of analysis stating the sulfur content in each fuel shipment (c) Type and quantity of each pollutant emitted during the reporting period (d) Type and quantity of each pollutant emitted during the reporting period Rolling twelve (12) month total of each pollutant emitted during the preceding consecutive twelve	ADEM Admin. Code R. Rule 335-3-16-.05(c)(3) 40 CFR 60.48c(j)

Federally Enforceable Provisos	Regulations
<p>months in both boilers</p> <p>(e) A statement of certification of truth, accuracy, and completeness as described in General Proviso No. 9; and</p> <p>(f) Signature of the responsible official as required by General Proviso No. 9</p> <p>10. The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by §60.7. This notification shall include:</p> <p>(a) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility</p> <p>(b) If applicable, a copy of any federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under §60.42c, or §60.43c</p> <p>(c) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired</p> <p>11. The owner or operator of each wood-fired affected facility subject to the opacity limits under §60.43c(c) shall submit excess emission reports for any excess emissions from the affected facility that occur during the reporting period.</p> <p>12. The owner or operator of each affected facility subject to the PM or opacity limits of §60.43c, shall submit to the Administrator the performance test data from the initial and any subsequent performance tests and, if applicable, the performance evaluation of the COMS using the applicable performance specifications in appendix B of this part.</p>	<p>ADEM Admin. Code R. Rule 335-3-16-.05(c)(2)</p> <p>40 CFR 60.48c(a)</p> <p>ADEM Admin. Code R. Rule 335-3-16-.05(c)(2)</p> <p>40 CFR 60.48c(c)</p> <p>ADEM Admin. Code R. Rule 335-3-16-.05(c)(2)</p> <p>40 CFR 60.48c(b)</p>

Summary Page for Soybean Oil Extraction Process

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

Emission limitations:

Emission #	Point	Description	Pollutant	Emission limit	Regulation
Z012		Soybean Oil Extraction Process with Mineral Oil Absorption System	HAP	Compliance ratio shall not exceed 1.00	40 CFR 63.2840(c)
Z012		Soybean Oil Extraction Process with Mineral Oil Absorption System	VOC	N/A	N/A
N011		30,000 Gallon Storage Tank for Solvent	VOC	N/A	N/A
N011		30,000 Gallon Storage Tank for Solvent	HAP	Compliance ratio shall not exceed 1.00	40 CFR 63.2840(c)

Provisos for Soybean Oil Extraction Process

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, " <i>Major Source Operating Permits</i> "	ADEM Admin. Code R. 335-3-16-.03
2. This source is subject to the applicable requirements of 40 CFR 63 Subpart GGGG, " <i>National Emissions Standards for Hazardous Air Pollutants for Solvent Extraction for Vegetable Oil Production</i> ".	40 CFR 63 Subpart GGGG §63.2832(a)(1)&(2)
3. This unit is subject to applicable requirements and must comply by the applicable deadline specified in EPA Consent Decree CAN: 05-2037JMR/FLN, which was lodged on September 1, 2005, signed on February 27, 2006, and entered on March 3, 2006. See Appendix B	N/A
<u>Emission Standards</u>	
1. This facility shall maintain a compliance ratio of less than or equal to 1.00 of actual solvent loss to allowable solvent loss. The allowable solvent loss is a function of the oilseed processed and the solvent loss factor (SLF) for this facility.	40 CFR 63 Subpart GGGG §63.2840(c)
2. The hexane solvent, soybean oil extraction process shall operate at an adjusted solvent loss ratio not to exceed 0.20 gallons of solvent per ton of oilseed processed, on a rolling average of the 12 most recent operating months.	40 CFR 63 Subpart GGGG Table 1§63.2840; US EPA Consent Decree No. 05-2037JMR/FLN
<u>Compliance and Performance Test Methods and Procedures</u>	
1. Beginning in March 2009, by the end of each calendar month following an operating month, the Permittee shall: <ul style="list-style-type: none"> (a) Determine the tons of oilseeds processed by the facility during that operating month; (b) Determine the gallons of extraction solvent lost from the facility during that operating months; (c) Determine the gallons of extraction solvent lost from the facility during that operating month that occurred under any under malfunction periods. The Permittee may adjust solvent loss for malfunctions only if: <ul style="list-style-type: none"> (1) The malfunction results in a shutdown of the solvent extraction system; and 	US EPA Consent Decree No. 05-2037JMR/FLN

Federally Enforceable Provisos	Regulations
<p>(2) Cumulative solvent losses during malfunction periods do not exceed 4,000 gallons in a 12-operating month rolling period; and</p> <p>2. Beginning in March 2010, by the end of each calendar month following an operating month, the Permittee shall calculate the rolling average of the adjusted solvent loss ratio for the 12 most recent operating months.</p> <p>3. If performance testing is required, volatile organic compound emissions from this process shall be measured in accordance with 40 CFR Part 63.2850(a)(6).</p> <p>4. The facility shall keep a copy of the compliance plan and the startup, shutdown, and malfunction (SSM) plan on-site and readily available as long as the source is operational. These plans shall provide detailed procedures for operating and maintaining this source to minimize emissions, and must specify a program of corrective action for malfunctioning process and air pollution control equipment and reflect the best practices now in use by the industry to minimize emissions.</p>	<p>US EPA Consent Decree No. 05-2037JMR/FLN</p> <p>40 CFR 63 Subpart GGGG §63.2850(a)(6)</p> <p>40 CFR 63 Subpart GGGG §63.2851 & §63.2852</p>

Federally Enforceable Provisos	Regulations
<p>5. The compliance ratio shall be calculated using either of the following equations:</p> $\text{Compliance Ratio} = \frac{\text{Actual Hap Loss}}{\text{Allowable Hap Loss}}$ <p style="text-align: center;">or</p> $\text{Compliance Ratio} = \frac{f * \text{Actual Solvent Loss}}{0.64 * \sum_{i=1}^n ((\text{Oilseed})_i * (\text{SLF})_i)}$ <p>Where:</p> <p>f = The weighted average volume fraction of HAP in solvent received during the previous 12 operating months.</p> <p>0.64 = The average volume fraction of HAP in solvent in the baseline performance data</p> <p>Actual Solvent Loss = Gallons of actual solvent loss during previous 12 operating months</p> <p>Oilseed = Tons of each oilseed type “i” processed during the previous 12 operating months</p> <p>SLF = The corresponding solvent loss factor (gal/ton) for oilseed</p>	<p>40 CFR 63 Subpart GGGG</p> <p>§63.2840(a)(1)&(2)</p>
<p>6. The following equation shall be used to determine the actual solvent loss occurring from the affected source for all normal operating periods recorded within a calendar month:</p> $\text{Monthly Actual Solvent (gal)} = \sum_{i=1}^n (\text{SOLV}_B - \text{SOLV}_E + \text{SOLV}_R \pm \text{SOLV}_A)_i$ <p>Where:</p> <p>SOLV_B = Gallons of solvent in the inventory at the beginning of normal operating period “i”</p> <p>SOLV_E = Gallons of solvent in the inventory at the end of normal operating period “i”</p> <p>SOLV_R = Gallons of solvent received between the beginning and ending inventory dates of normal operating period “i”</p> <p>SOLV_A = Gallons of solvent added or removed from the extraction solvent inventory during normal operating period “i”</p> <p>n = Number of normal operating periods in a calendar month</p>	<p>40 CFR 63 Subpart GGGG</p> <p>§63.2853(b)</p>

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<p>7. The monthly weighted average volume fraction of HAP shall be calculated using the following equation:</p> $\text{Monthly Weighted Average HAP Content of Extraction Solvent (volume fraction)} = \frac{\sum_{i=1}^n (\text{Received}_i * \text{Content}_i)}{\text{Total Received}}$ <p>Where:</p> <p>Received_i = Gallons of extraction solvent received in delivery “i.”</p> <p>Content_i = The volume fraction of HAP in extraction solvent delivery “i.”</p> <p>Total Received = Total gallons of extraction solvent received since the end of the previous operating month</p> <p>n = Number of extraction solvent deliveries since the end of the previous operating month</p>	<p>40 CFR 63 Subpart GGGG</p> <p>§63.2854(b)(2)</p>
<p>8. The twelve-month weighted average volume fraction of HAP shall be calculated using the following equation:</p> $\text{12-Month Weighted Average of HAP Content in Solvent Received (volume fraction)} = \frac{\sum_{i=1}^{12} (\text{Received}_i * \text{Content}_i)}{\text{Total Received}}$ <p>Where:</p> <p>Received_i = Gallons of extraction solvent received in operating month “i”</p> <p>Content_i = Average volume fraction of HAP in extraction solvent received in operating month “i”</p> <p>Total Received = Total gallons of extraction solvent received during the previous 12 operating months</p>	<p>40 CFR 63 Subpart GGGG</p> <p>§63.2854(b)(3)</p>

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<p>9. Monthly oilseed processed shall be determined using the following equation:</p> $\text{Monthly Quantity of Each Oilseed Processed (tons)} = \sum_{n=1}^n (\text{SEED}_B - \text{SEED}_E + \text{SEED}_R \pm \text{SEED}_A)$ <p>Where:</p> <p>SEED_B = Tons of oilseed in the inventory at the beginning of normal operating period “i”</p> <p>SEED_E = Tons of oilseed in the inventory at the end of normal operating period “i”</p> <p>SEED_R = Tons of oilseed received during normal operating period “i”</p> <p>SEED_A = Tons of oilseed added or removed from the oilseed inventory during normal operating period “i”</p> <p>n = Number of normal operating periods</p>	<p>40 CFR 63 Subpart GGGG</p> <p>§63.2855(b)</p>
<p>10. The twelve-month actual solvent loss shall be the sum of each monthly actual solvent loss for the previous twelve month period.</p>	<p>40 CFR 63 Subpart GGGG</p>
<p>11. The twelve-month actual solvent loss shall be the sum of each monthly actual solvent loss for the previous twelve month period.</p>	<p>§63.2853(a)</p>
<p>11. The twelve-month volume of soybeans processed shall be the sum of the monthly volumes of soybeans processed for the previous twelve month period.</p>	<p>40 CFR 63 Subpart GGGG</p> <p>§63.2855(a)</p>
<p>12. The volume fraction of n-Hexane in the solvent shall be obtained from the manufacturer’s Material Safety Data Sheet (MSDS) or a manufacturer’s certificate of analysis.</p>	<p>40 CFR 63 Subpart GGGG</p> <p>§63.2854(2)</p>
<p><u>Emission Monitoring</u></p>	
<p>1. Emissions monitoring shall be achieved through recordkeeping and reporting practices.</p>	<p>N/A</p>
<p><u>Recordkeeping and Reporting Requirements</u></p>	
<p>1. Beginning in March 2009, the results of the monitoring shall be maintained in a log (in written or electronic format) on-site in the form of Table 1 “Extraction Solvent Loss Recordkeeping Table” and made available to an authorized representative upon request.</p>	<p>US EPA Consent Decree No. 05-2037JMR/FLN</p>
<p>2. Beginning after March 2010, the Permittee shall submit a semi-annual summary report of monitoring and recordkeeping activities for the preceding six-month period. All instances of deviations from the requirements of this permit must be clearly</p>	<p>US EPA Consent Decree No. 05-2037JMR/FLN</p>

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<p>identified. The semi-annual summary report shall contain the following:</p> <p>(a) The adjusted solvent loss ratio for each of the previous 17 calendar months; and</p> <p>(b) The rolling average of the adjusted solvent loss ratio for the 17 most recent operating months. This rolling average shall be calculated and reported for each 12 calendar month period ending in the semi-annual reporting period.</p> <p>3. The compliance demonstration plan and SSM plan shall be kept on-site in a permanent form suitable for inspection and made available upon request. These reports shall be kept for the life of the facility.</p> <p>4. Records of the monthly and twelve (12) month rolling total of actual solvent loss shall be kept in a permanent form suitable for inspection and made available upon request. These records shall be maintained for a period of five (5) years from the date of generation.</p> <p>5. Monthly and twelve (12) month rolling totals of hexane solvent usage shall be kept in a permanent form suitable for inspection and made available upon request. These records shall be kept for a period of five (5) years from the date of generation.</p> <p>6. Records of the monthly and twelve (12) month rolling total of actual solvent loss shall be kept in a permanent form suitable for inspection and made available upon request. These records shall be maintained for a period of five (5) years from the date of generation.</p> <p>7. Records of the monthly and twelve (12) month rolling totals (in tons) of oilseed processed shall be kept in a permanent form suitable for inspection and made available upon request. These records shall be maintained for a period of five (5) years from the date of generation.</p> <p>8. Records of the monthly and twelve (12) month compliance ratios shall be kept in a permanent form suitable for inspection and made available upon request. These records shall be maintained for a period of five (5) years from the date of generation.</p> <p>9. Records of the volume fraction of each HAP in each delivery of extraction solvent shall be kept in a permanent form suitable for inspection and made available upon request. These records shall be maintained for a period of five (5) years from the date of generation.</p> <p>10. Records of the total gallons of extraction solvent received in</p>	<p></p> <p>40 CFR 63 Subpart GGGG §63.2862(b)</p> <p>40 CFR 63 Subpart GGGG §63.2862(c)</p> <p>40 CFR 63 Subpart GGGG §63.2862(c) & (d)</p> <p>40 CFR 63 Subpart GGGG §63.2862(c) & (d)</p> <p>40 CFR 63 Subpart GGGG §63.2862(c) & (d)</p> <p>40 CFR 63 Subpart GGGG §63.2862(c)</p> <p>40 CFR 63 Subpart</p>

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<p>each delivery shall be kept in a permanent form suitable for inspection and made available upon request. These records shall be maintained for a period of five (5) years from the date of generation.</p>	<p>GGGG §63.2862(c)</p>
<p>11. Records of the monthly weighted average volume fraction of HAP in the extraction solvent for the previous twelve (12) months shall be kept in a permanent form suitable for inspection and made available upon request. These records shall be maintained for a period of five (5) years from the date of generation.</p>	<p>40 CFR 63 Subpart GGGG §63.2862(c)</p>
<p>12. Manufacturer supplied certificates of analysis or Material Safety Data Sheets (MSDS) for the hexane solvent shall be kept in a permanent form suitable for inspection for a period of five (5) years from the date of generation and shall be made available upon request.</p>	<p>40 CFR 63 Subpart GGGG §63.2862(c)</p>
<p>13. An annual MACT compliance certification is due at the Department 12 calendar months after submitting the notification of compliance status. Each subsequent annual MACT compliance certification is due 12 calendar months after the previous annual compliance certification. The annual MACT compliance certification provides the compliance status for each operating month during the 12 calendar months period ending 60 days prior to the date on which the report is due. This report shall include the following:</p> <ul style="list-style-type: none"> (c) The name and address of the owner or operator. (d) The physical address of the vegetable oil production process. (e) Each listed oilseed type processed during the 12 calendar months period covered by the report. (f) Each HAP present in concentrations greater than 1 percent by volume in each delivery of solvent received during the 12 calendar months period covered by the report. (g) A statement designating the source as a major source of HAP or a demonstration that the source qualifies as an area source. (h) A compliance certification to indicate whether the source was in compliance for each compliance determination made during the 12 calendar months period covered by the report. (i) Certification that the facility is following the procedures described in the plan for demonstrating compliance. (j) Certification that the compliance ratio is less than or equal to 1.00. 	<p>40 CFR 63 Subpart GGGG §63.2861(a)</p>

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<p>15. A deviation notification report shall be submitted to the Department for each instance that the calculated compliance ratio exceeds 1.00. This report shall be received by the Department by no later than the last day of the month following the calendar month in which the deviation occurred.</p>	<p>40 CFR 63 Subpart GGGG §63.2861(b)</p>
<p>16. <i>Periodic startup, shutdown, and malfunction report.</i> If you choose to operate your source under an initial startup period subject to §63.2850(c)(2) or (d)(2) or a malfunction period subject to §63.2850(e)(2), you must submit a periodic SSM report by the end of the calendar month following each month in which the initial startup period or malfunction period occurred. The periodic SSM report must include the items in paragraphs (c)(1) through (3) of this section:</p> <p>(a) The name, title, and signature of a source's responsible official who is certifying that the report accurately states that all actions taken during the initial startup or malfunction period were consistent with the SSM plan.</p> <p>(b) A description of events occurring during the time period, the date and duration of the events, and reason the time interval qualifies as an initial startup period or malfunction period.</p> <p>(c) An estimate of the solvent loss during the initial startup or malfunction period with supporting documentation.</p>	<p>40 CFR 63 Subpart GGGG §63.2861(c)</p>
<p>17. <i>Immediate SSM reports.</i> If you handle a SSM during an initial startup period subject to §63.2850(c)(2) or (d)(2) or a malfunction period subject to §63.2850(e)(2) differently from procedures in the SSM plan and the relevant emission requirements in §63.2840 are exceeded, then you must submit an immediate SSM report. Immediate SSM reports consist of a telephone call or facsimile transmission to the responsible agency within 2 working days after starting actions inconsistent with the SSM plan, followed by a letter within 7 working days after the end of the event. The letter must include the items in paragraphs (d)(1) through (3) of this section:</p> <p>(a) The name, title, and signature of a source's responsible official who is certifying the accuracy of the report, an explanation of the event, and the reasons for not following the SSM plan.</p> <p>(b) A description and date of the SSM event, its duration, and reason it qualifies as a SSM.</p> <p>(c) An estimate of the solvent loss for the duration of the SSM event with supporting documentation.</p>	<p>40 CFR 63 Subpart GGGG §63.2861(d)</p>

APPENDIX

40 CFR 64

Compliance Assurance Monitoring (CAM) Requirements

CAM Plan for Baghouses at Emissions Units Z002, Z003, Z013, Z022, X033, Z029a, Z029b, X025, X036, X038, X039, and X040

	Parameter No.1	Parameter No. 2
I. <u>Indicator</u>	Visible Emissions (VE)	Pressure Differential (ΔP)
A. Measurement Approach	1. Trained and qualified personnel shall perform a weekly VE inspection. If visible emissions are observed, a visible emissions observation shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9.	1. A properly maintained and operated device shall be utilized to measure ΔP across the baghouse daily. The device shall be located at eye level and be easily accessible for inspections by Air Division and plant personnel.
II. <u>Indicator Range</u>	<ol style="list-style-type: none"> 1. While the unit is operating, an excursion is defined as the presence of VE. 2. Excursions trigger an inspection, corrective action, and a reporting requirement. 3. Corrective action must be taken within four (4) hours when visible emissions are observed. 	<ol style="list-style-type: none"> 1. While the unit is operating, an excursion is defined as a ΔP of less than one-half (0.5) inch H₂O or greater than eight (8.0) inches H₂O. 2. Excursions trigger an inspection, corrective action, and a reporting requirement. 3. When a pressure drop excursion occurs, corrective action shall be taken within four (4) hours to identify and correct the problem.

III. Performance Criteria		
A. Data Representativeness	1. Measurement shall be made at the emission point (baghouse exhaust).	1. ΔP on gauge is the measurement of pressure differential between inlet and outlet of the baghouse.
B. Verification of Operating Status	N/A	N/A
(1) QA/QC Practices and Criteria	1. Trained and qualified personnel shall perform the visible inspection.	1. The differential pressure gauge shall be calibrated at least annually.
C. Monitoring Frequency	1. Visible emissions observation shall be monitored and recorded weekly while the unit is in operation.	1. ΔP shall be monitored and recorded daily while the unit is in operation.
D. Data Collection Procedures	1. Manual log entries based on VE observation. Observation will be recorded along with the date, time, and name of the observer.	1. Manual log entries based on gauge readings. ΔP will be recorded along with the date, time, and name of the observer.
E. Averaging Period	1. VE observations are instantaneous. If a Method 9 is required, then observations are over a six (6) minute average.	1. ΔP readings are instantaneous.

APPENDIX B

Consent Decree